

SEQUENCE LISTING

<110> Lee, Se Yong et al.

<120> Trehalose Synthase Protein, Gene, Plasmids, Microorganisms, and A Process for Producing Trehalose

<130> 1599-0206P

<140> US 09/937,215

<141> 2001-09-24

<160> 6

<170> PatentIn version 3.1

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<212> DNA

<213> Pseudomonas stutzeri

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ctg gag ctg gtg cac ttc tgg acg ctg cac gcc tac gac cat tac cac 2802
Leu Glu Leu Val His Phe Trp Thr Leu His Ala Tyr Asp His Tyr His
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Tyr Lys Gly Gln Thr Leu Pro Gly Gly His Leu Arg Glu His Ile Arg
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Pro Leu Ala Pro Glu Gln Val Glu His Leu Met Gly Asp Gly Asp Thr
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Arg Trp Ile Asn Arg Gly Gly Tyr Asp Leu Ala Asp Leu Ala Pro Glu
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Ser Leu Ala Glu Gln Leu Gln Arg Pro Gly Ser Phe Ala Cys Gln Leu
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Ala Ile Ala Ser Val Trp Phe Thr Ala Tyr Pro Ala Ala Ile Ile Thr
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Pro Glu Gly Gly Thr Val Leu Glu Ala Leu Gly Asp Asp Arg Leu Trp
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Gly Asn Phe Asp Arg Ile Ser Phe Asp Ile Asp Pro Ser Leu Gly Thr
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Ile Val Ile Asp Asp Ile Val Pro Ala His Thr Gly Lys Gly Ala Asp
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Phe Arg Leu Ala Glu Met Ala Tyr Gly Asp Tyr Pro Gly Leu Tyr His
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Ala Gly Arg Asp Ser Val Asn Leu Leu Pro Pro Val Val Asp Arg Leu
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Lys Glu Lys His Tyr Ile Val Gly Gln Leu Gln Arg Val Ile Phe Phe
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Glu Pro Gly Ile Lys Asp Thr Asp Trp Ser Val Thr Gly Glu Val Thr
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Gly Val Asp Gly Lys Val Arg Arg Trp Val Tyr Leu His Tyr Phe Lys
245 250 255

Glu Gly Gln Pro Ser Leu Asn Trp Leu Asp Pro Thr Phe Ala Ala Gln
260 265 270

Gln Leu Ile Ile Gly Asp Ala Leu His Ala Ile Asp Val Thr Gly Ala
275 280 285

Arg Val Leu Arg Leu Asp Ala Asn Gly Phe Leu Gly Val Glu Arg Arg
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Ala Glu Gly Thr Ala Trp Ser Glu Gly His Pro Leu Ser Val Thr Gly
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Asn Gln Leu Leu Ala Gly Ala Ile Arg Lys Ala Gly Gly Phe Ser Phe
325 330 335

Gln Glu Leu Asn Leu Thr Ile Asp Asp Ile Ala Ala Met Ser His Gly
340 345 350

Gly Ala Asp Leu Ser Tyr Asp Phe Ile Thr Arg Pro Ala Tyr His His
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Ala Leu Leu Thr Gly Asp Thr Glu Phe Leu Arg Met Met Leu Arg Glu
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Val His Ala Phe Gly Ile Asp Pro Ala Ser Leu Ile His Ala Leu Gln
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Asn His Asp Glu Phe Thr Leu Glu Leu Val His Phe Trp Thr Leu His
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Ala Tyr Asp His Tyr His Tyr Lys Gly Gln Thr Leu Pro Gly Gly His
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Leu Arg Glu His Ile Arg Glu Glu Met Tyr Glu Arg Leu Thr Gly Glu
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His Ala Pro Tyr Asn Leu Lys Phe Val Thr Asn Gly Val Ser Cys Thr
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Thr Ala Ser Val Ile Ala Ala Ala Leu Asn Ile Arg Asp Leu Asp Ala
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Ile Gly Pro Ala Glu Val Glu Gln Ile Gln Arg Leu His Ile Leu Leu
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Val Met Phe Asn Ala Met Gln Pro Gly Val Phe Ala Leu Ser Gly Trp
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Met Gly Asp Gly Asp Thr Arg Trp Ile Asn Arg Gly Gly Tyr Asp Leu
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Ala Arg Ser Leu Tyr Gly Ser Leu Ala Glu Gln Leu Gln Arg Pro Gly
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Ser Phe Ala Cys Gln Leu Lys Arg Ile Leu Ser Val Arg Gln Ala Tyr
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Asp Ile Ala Ala Ser Lys Gln Ile Leu Ile Pro Asp Val Gln Ala Pro
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Gly Leu Leu Val Met Val His Glu Leu Pro Ala Gly Lys Gly Val Gln
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Leu Pro Gly Val Ala Pro Gly Pro Val Val Asp Ile Ile His Glu Ser
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